

## ABSTRACT

### **METHODS AND APPARATUS FOR MEASURING THE POWER SPECTRUM OF OPTICAL SIGNALS**

A method of measuring a power spectrum of an optical signal  
5 transmits the optical signal through an optical fiber. A power of at least one  
wavelength of the optical signal is coupled from a first mode to a second  
mode of the waveguide. The power of the optical signal coupled from the  
first mode to the second mode is measured at a detector.